

FIG. 1

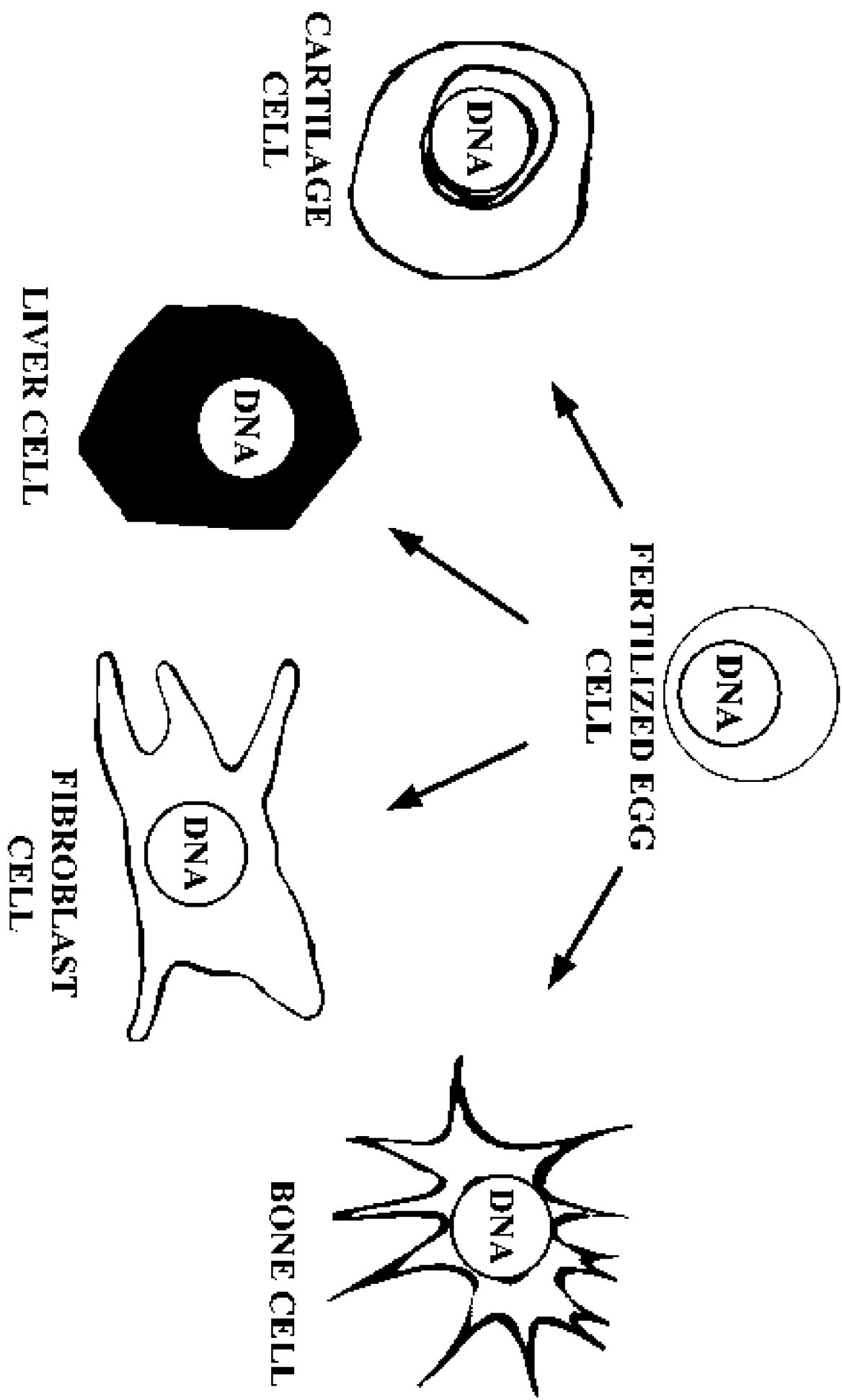


FIG. 2A

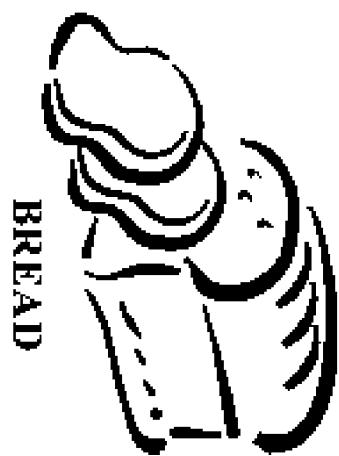
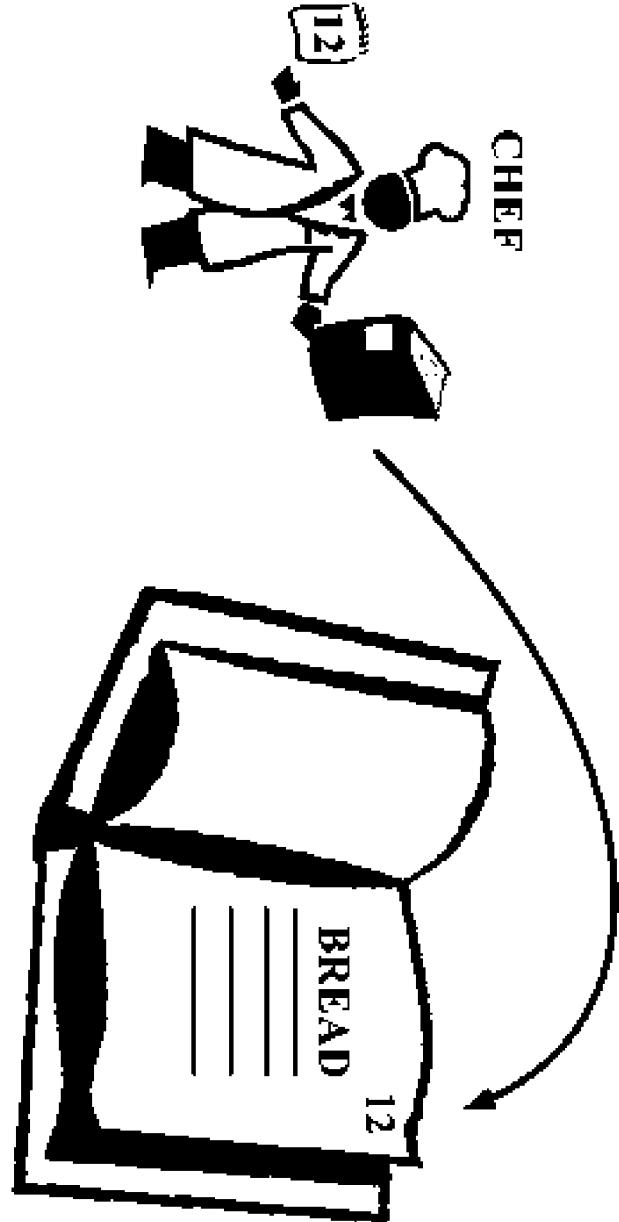


FIG. 2B

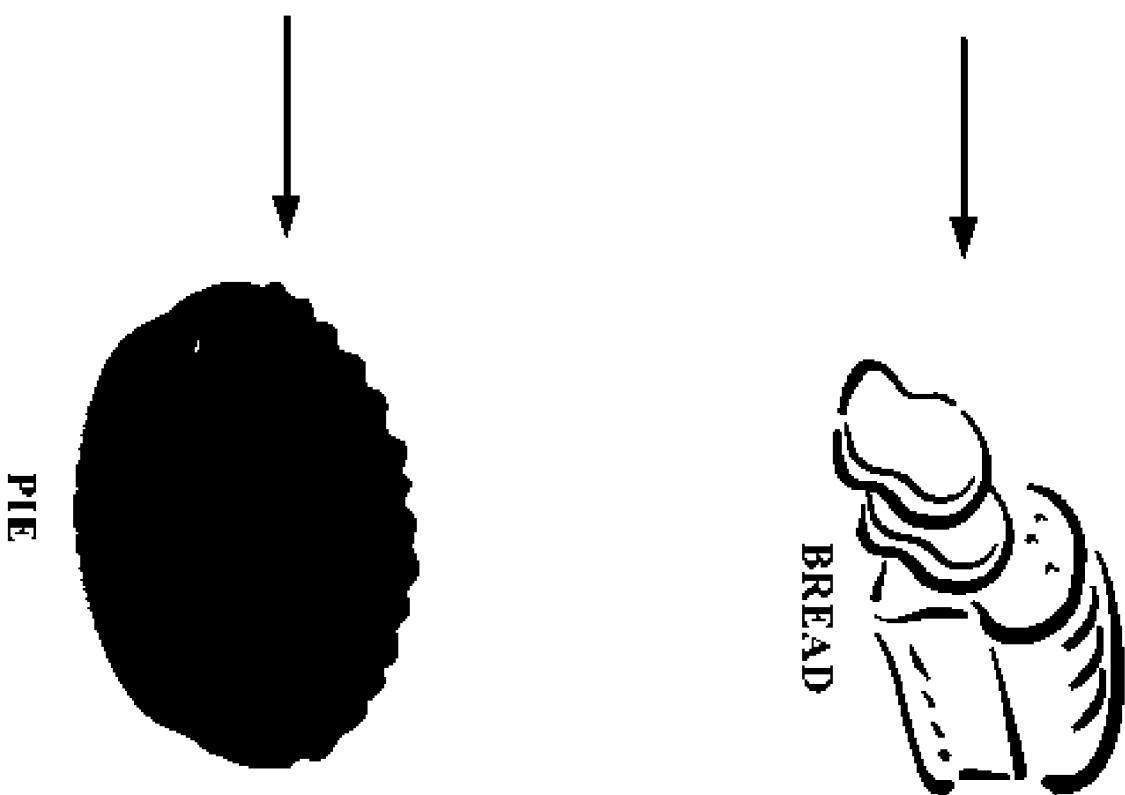
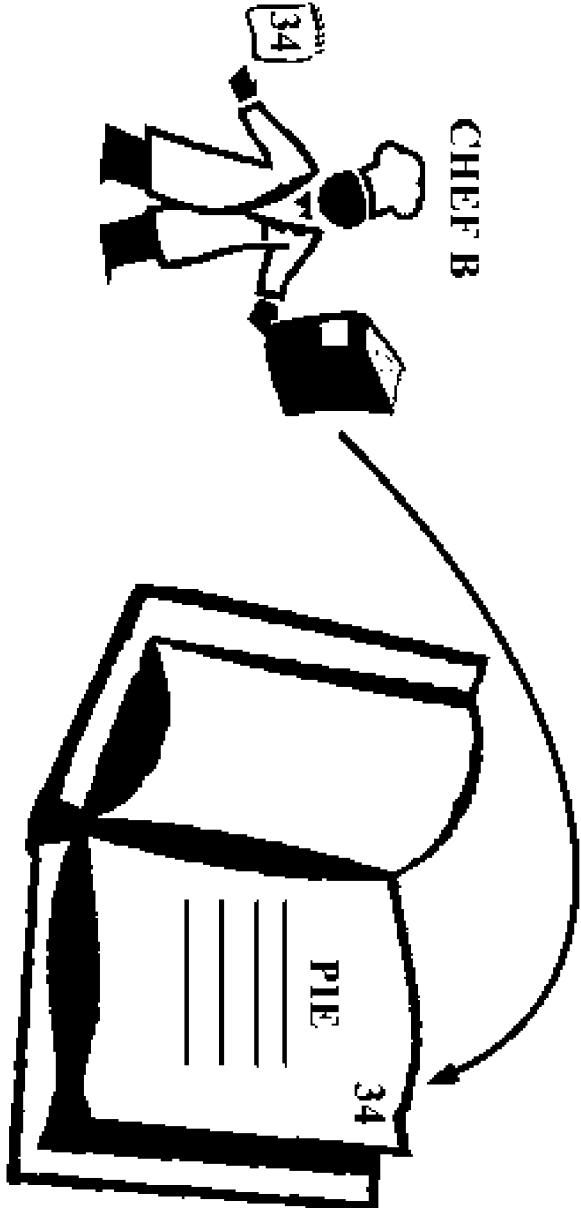
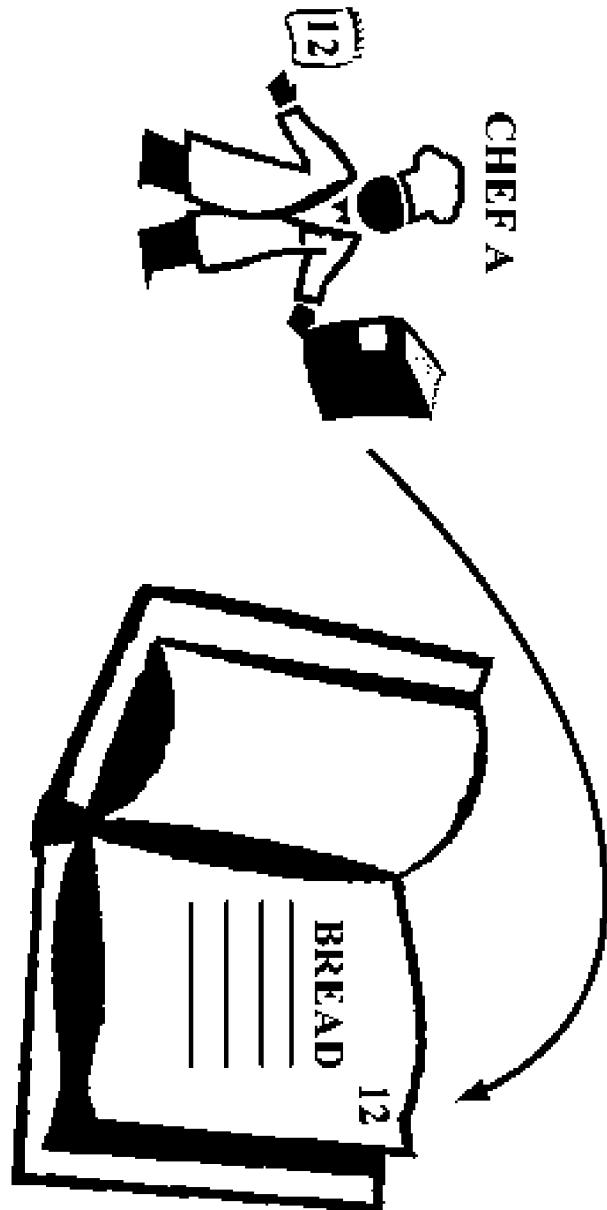


FIG. 3

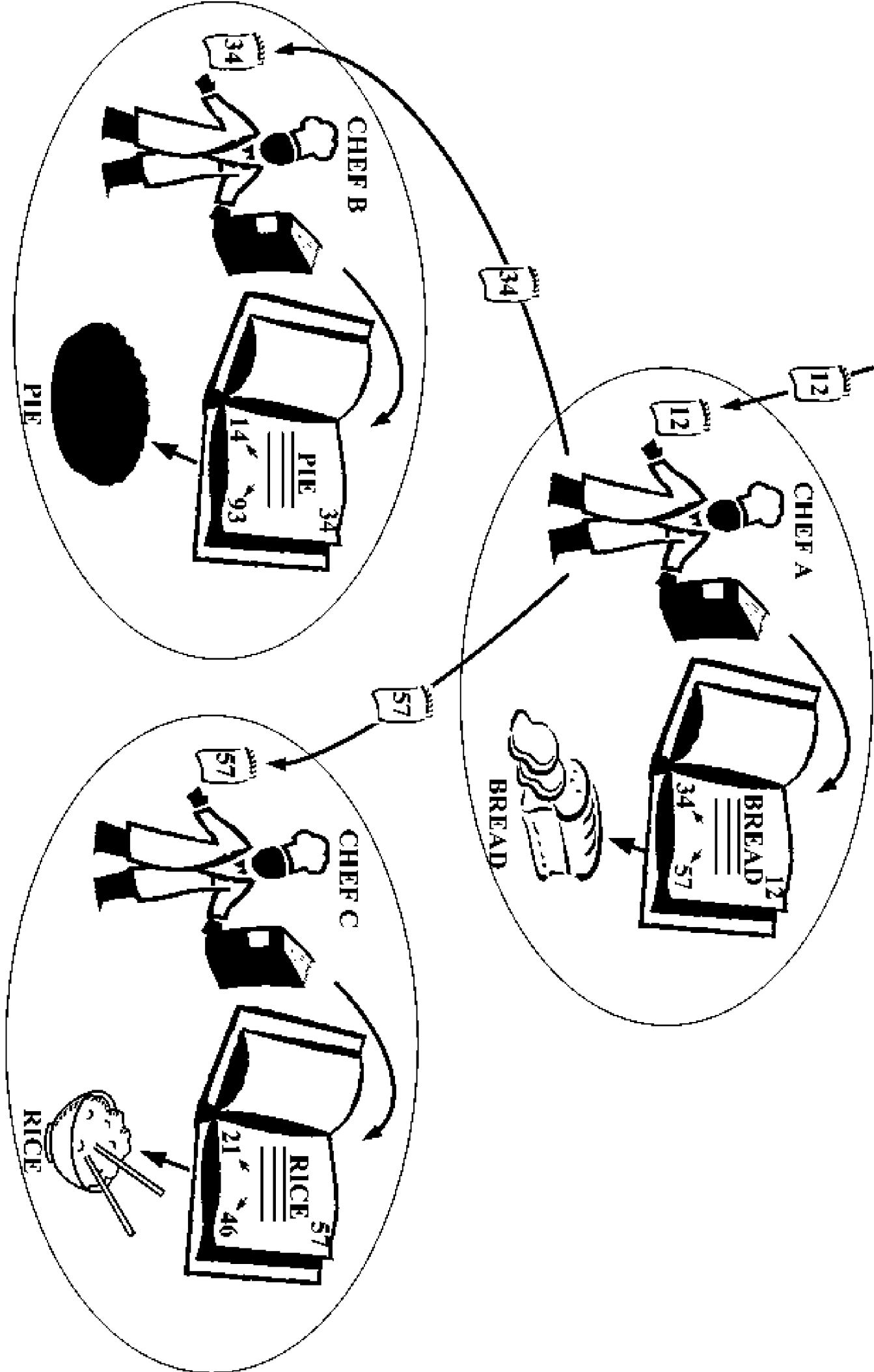


FIG. 4

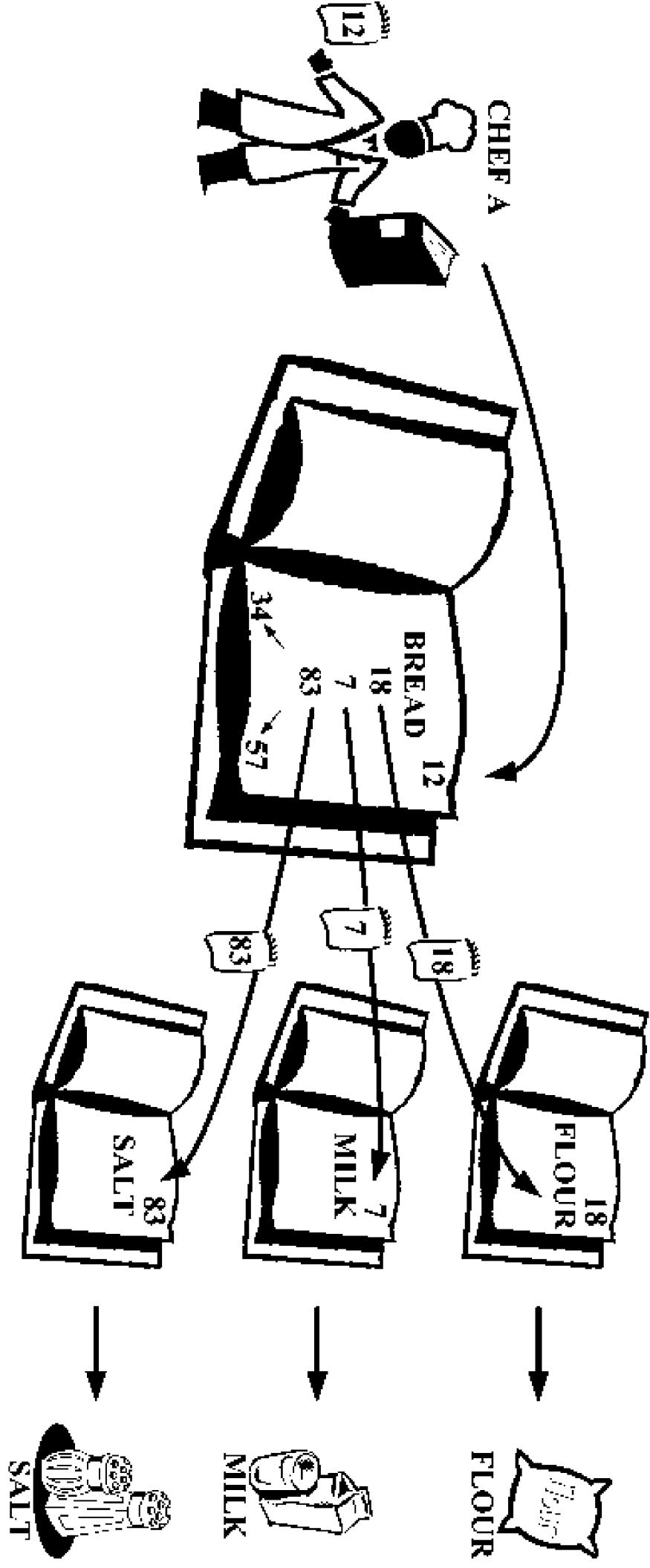


FIG. 5A

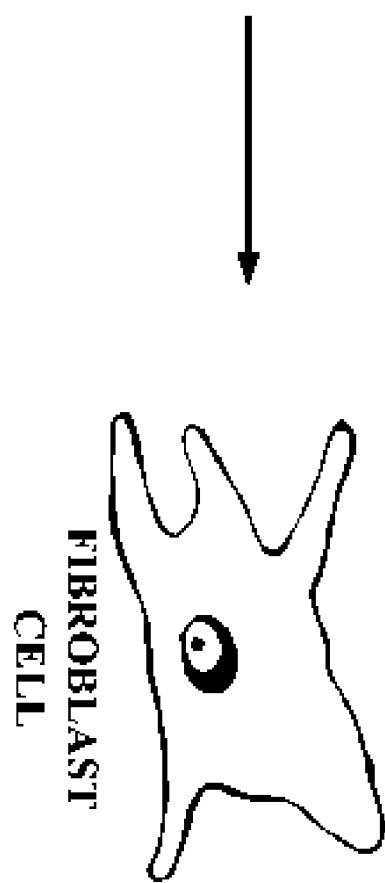
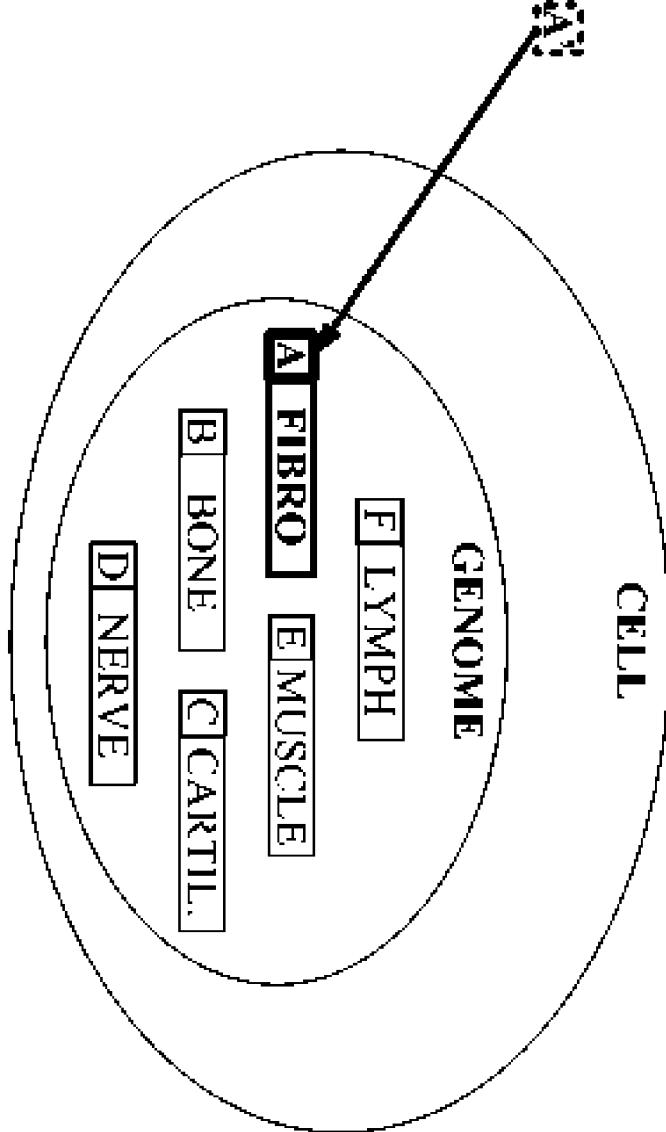
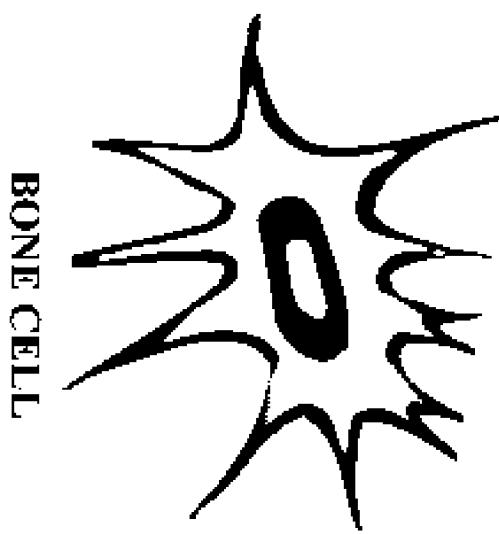
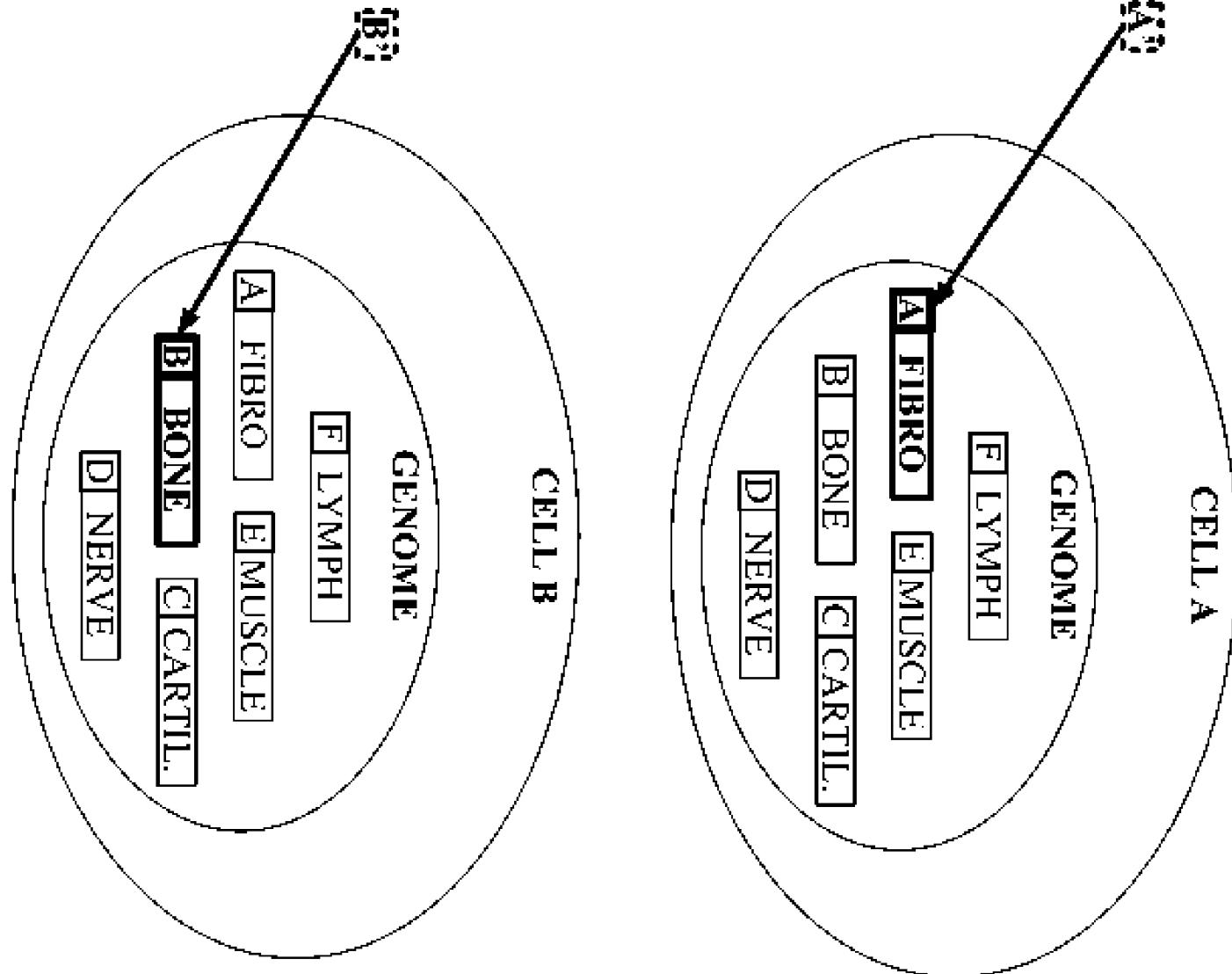
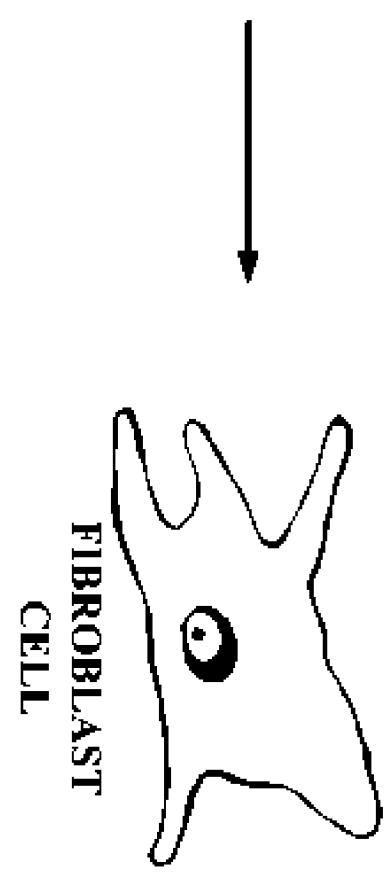


FIG. 5B



BONE CELL



FIBROBLAST
CELL

FIG. 6

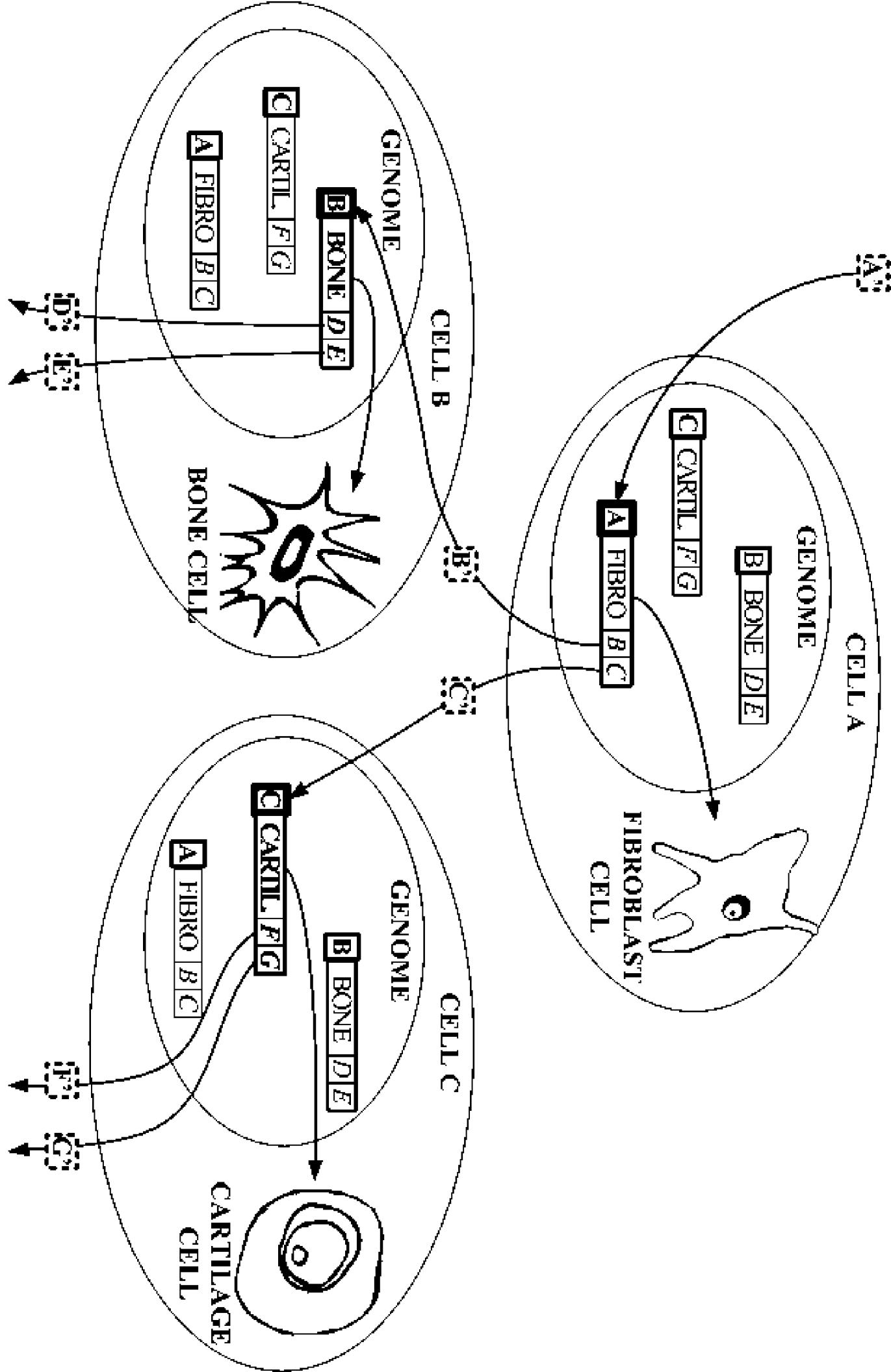


FIG. 7

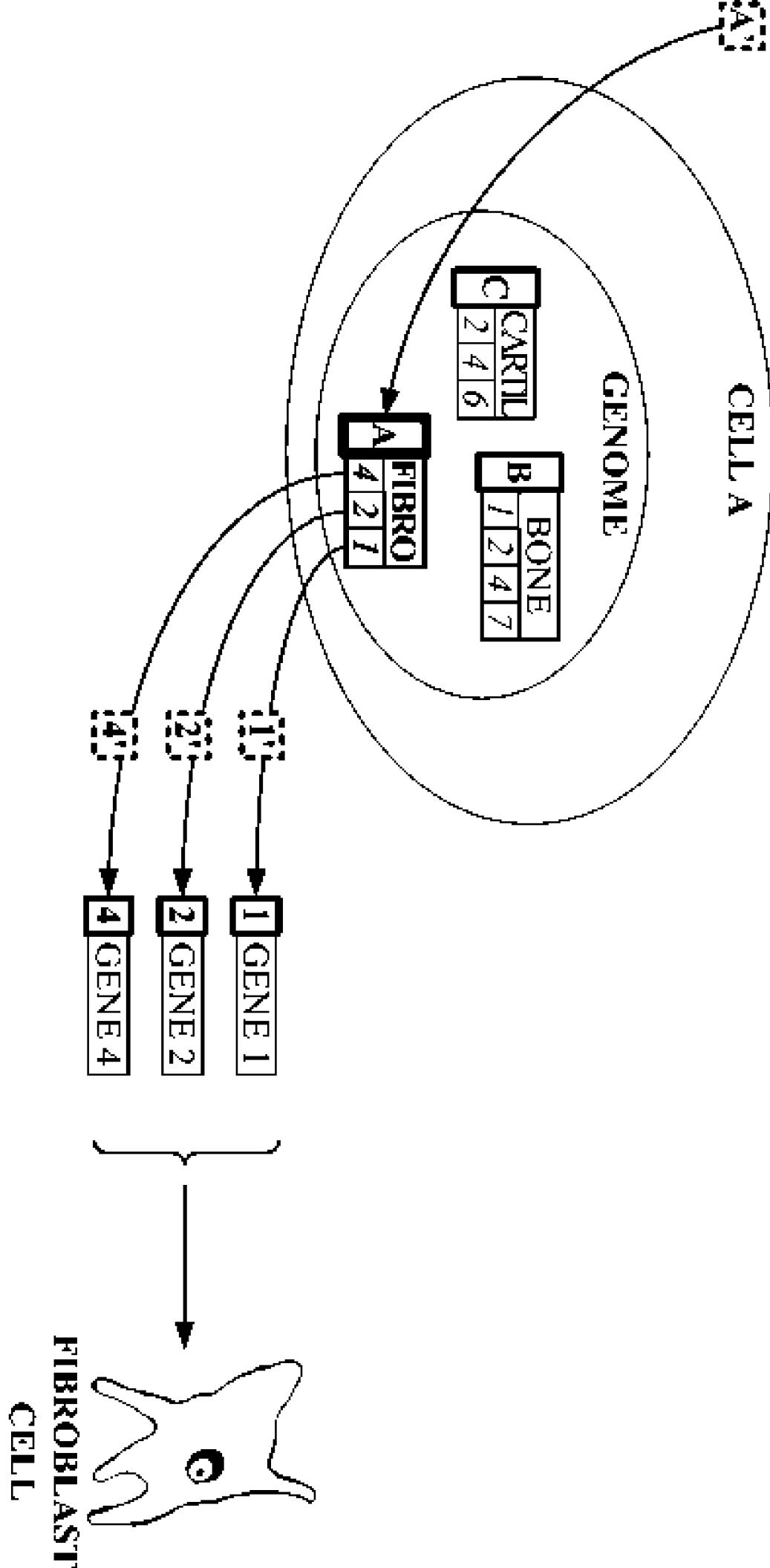


FIG. 8

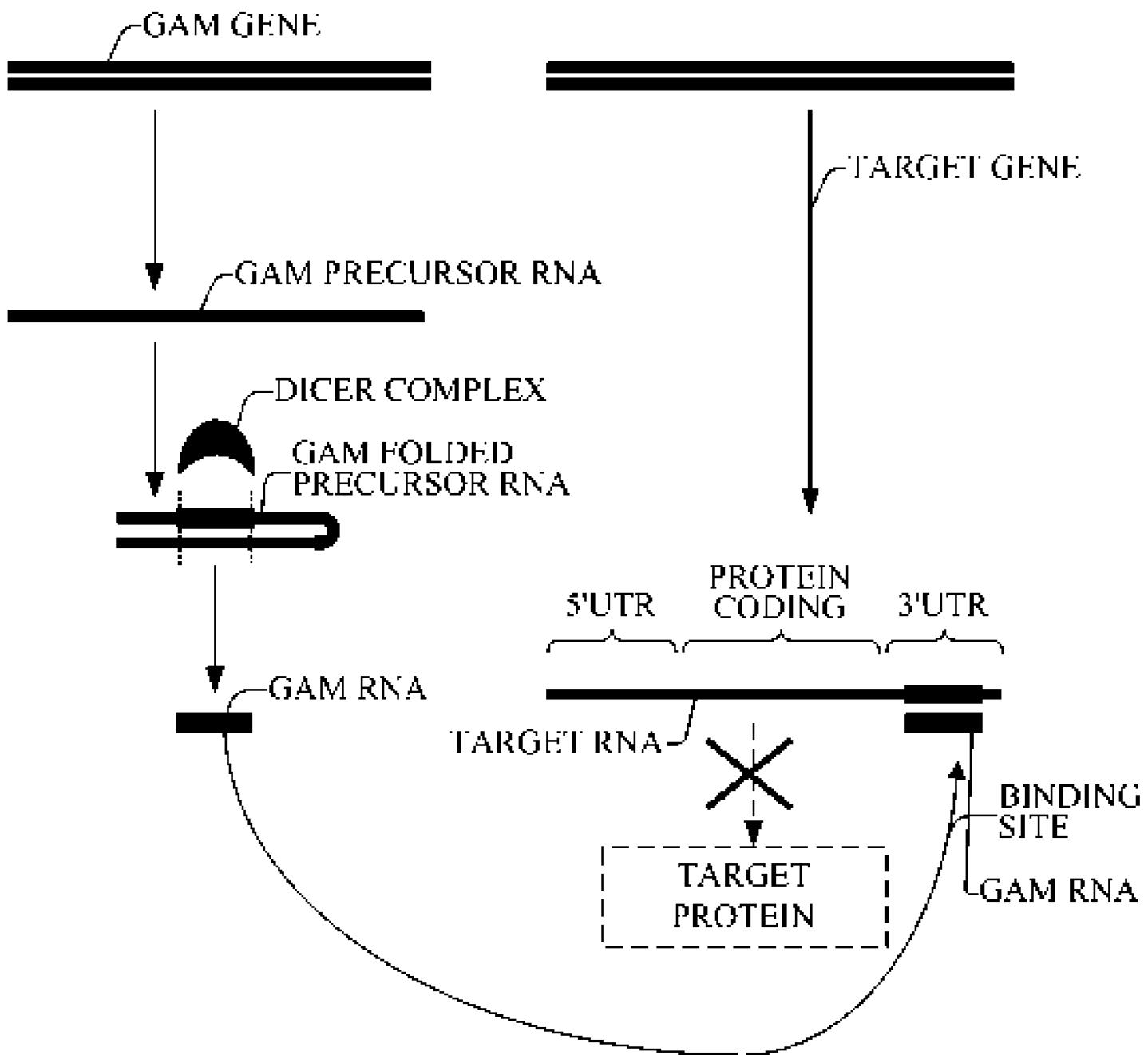


FIG. 9

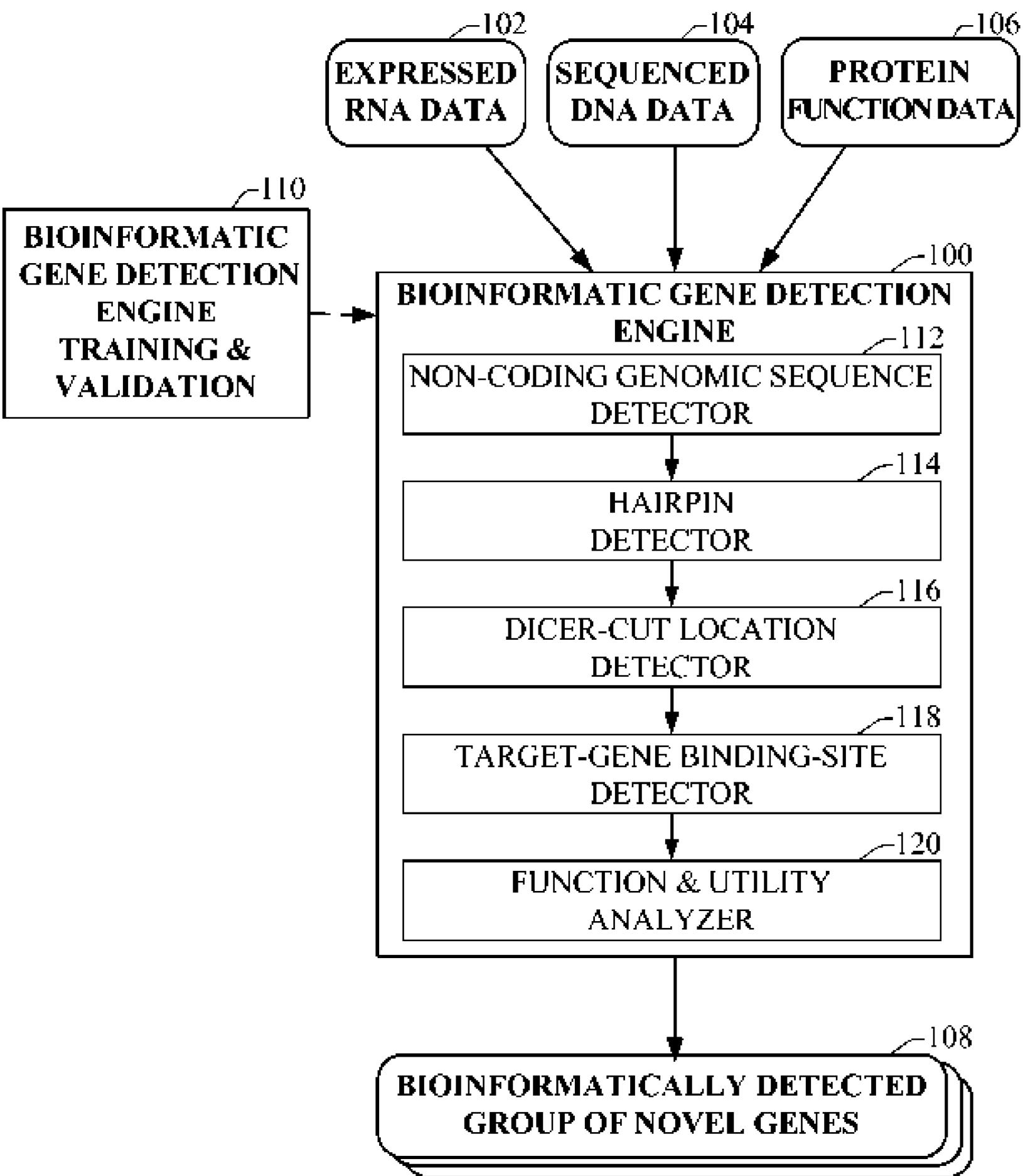


FIG. 10

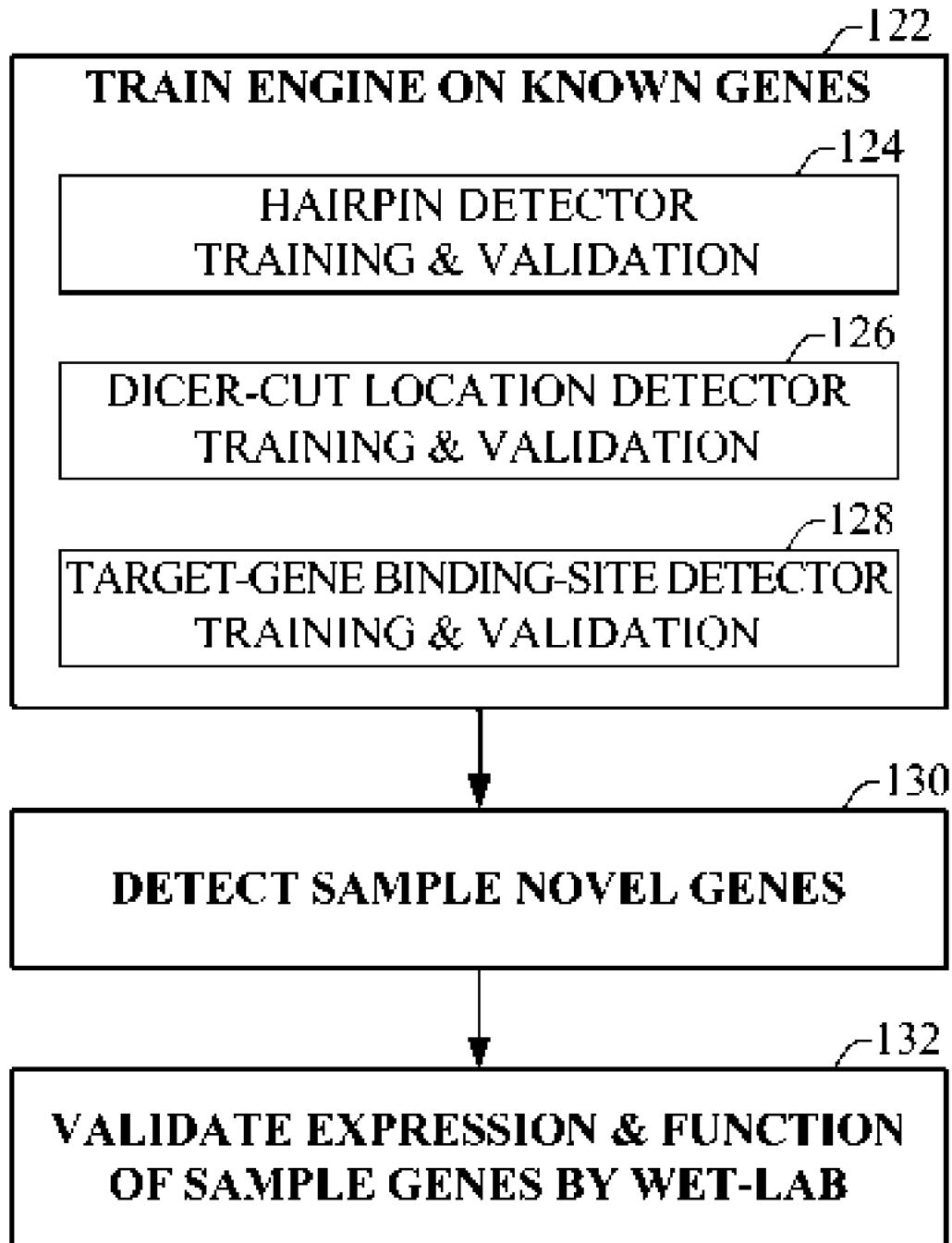


FIG. II A

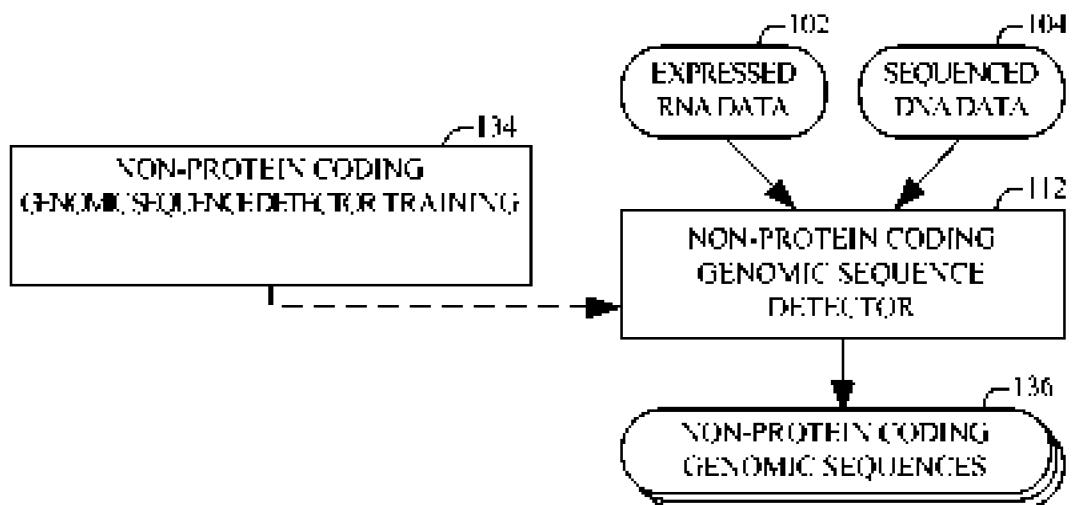


FIG. II B

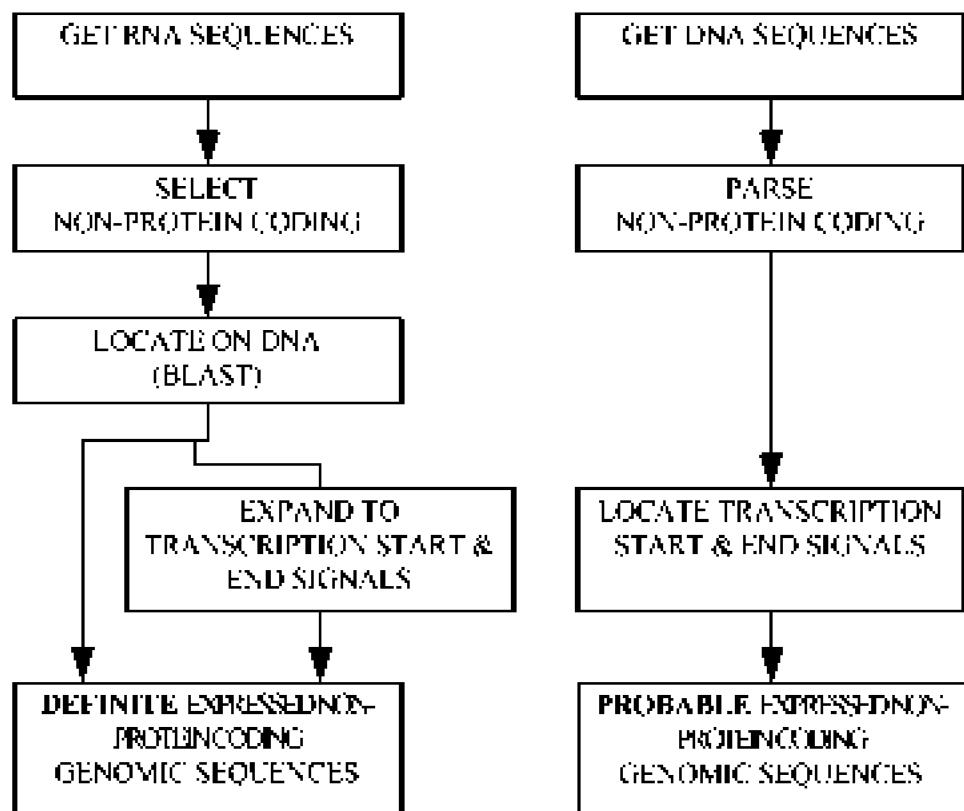


FIG. 12A

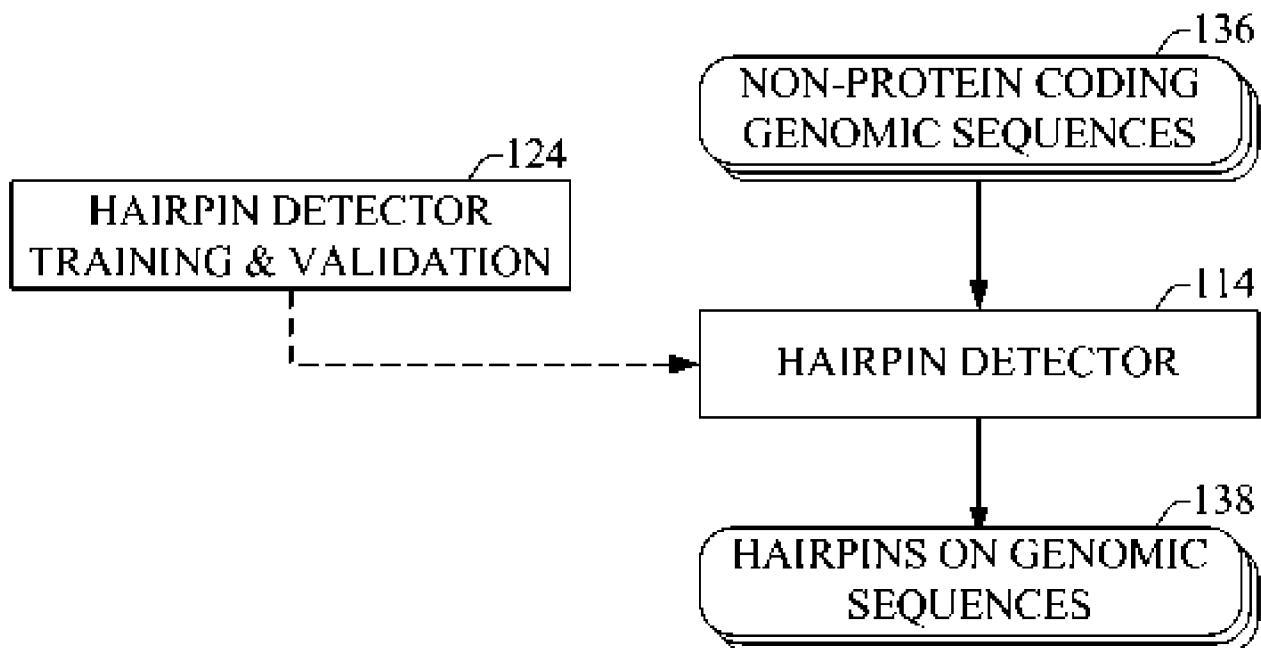


FIG. 12B

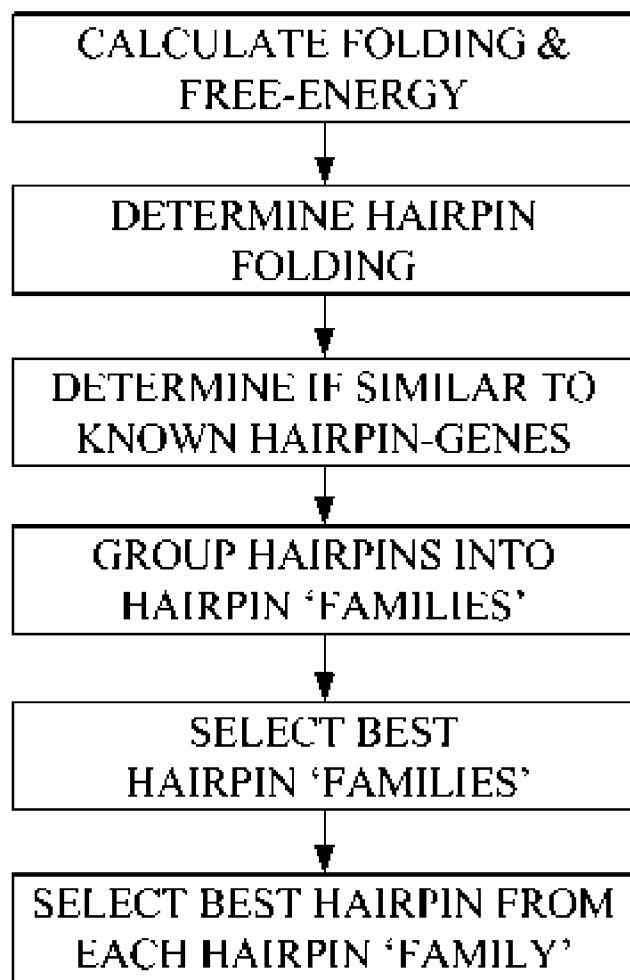


FIG. 13A

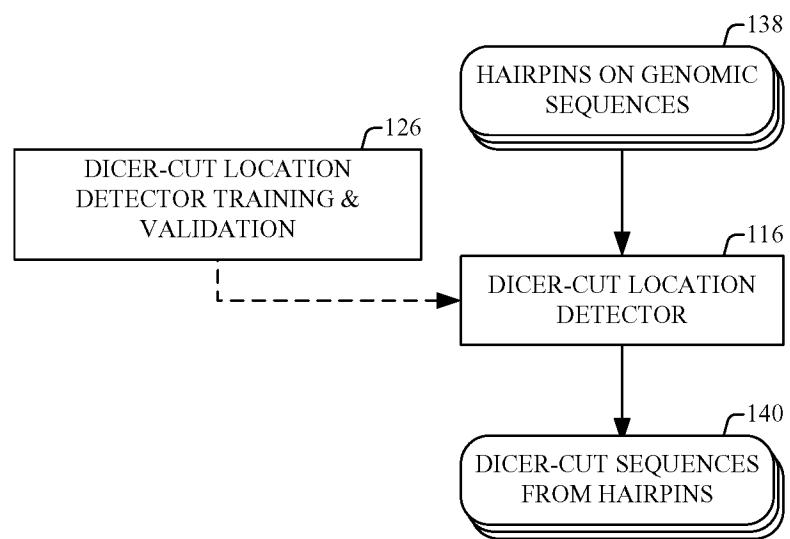


FIG. 13B

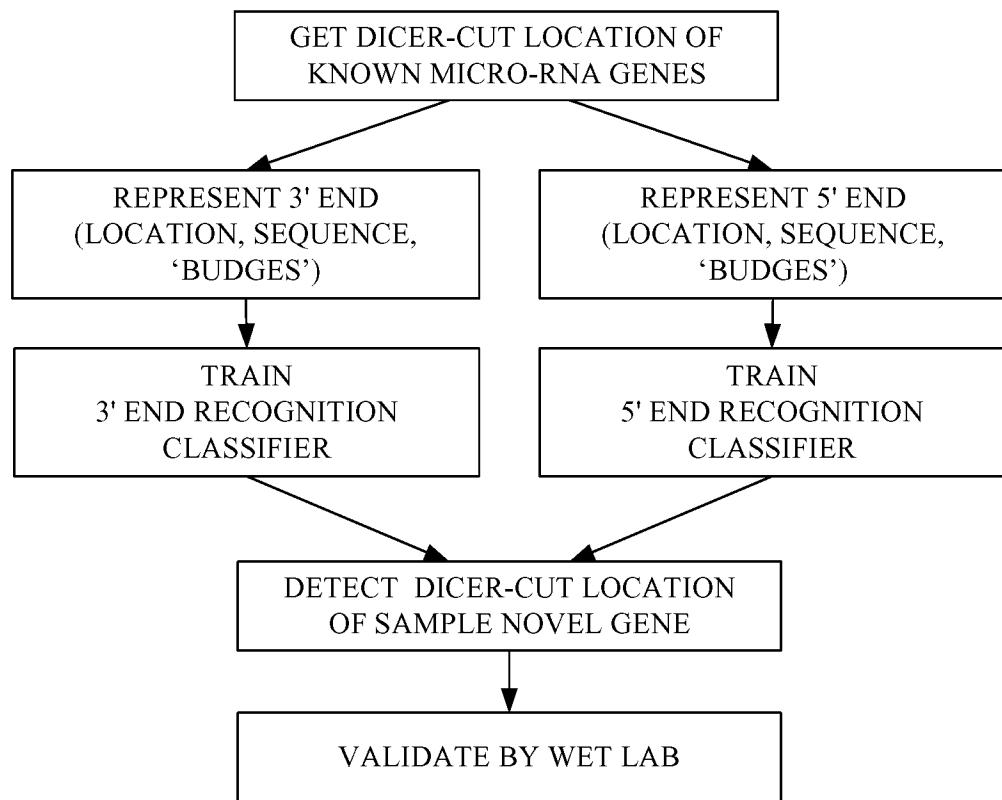


FIG. 13C

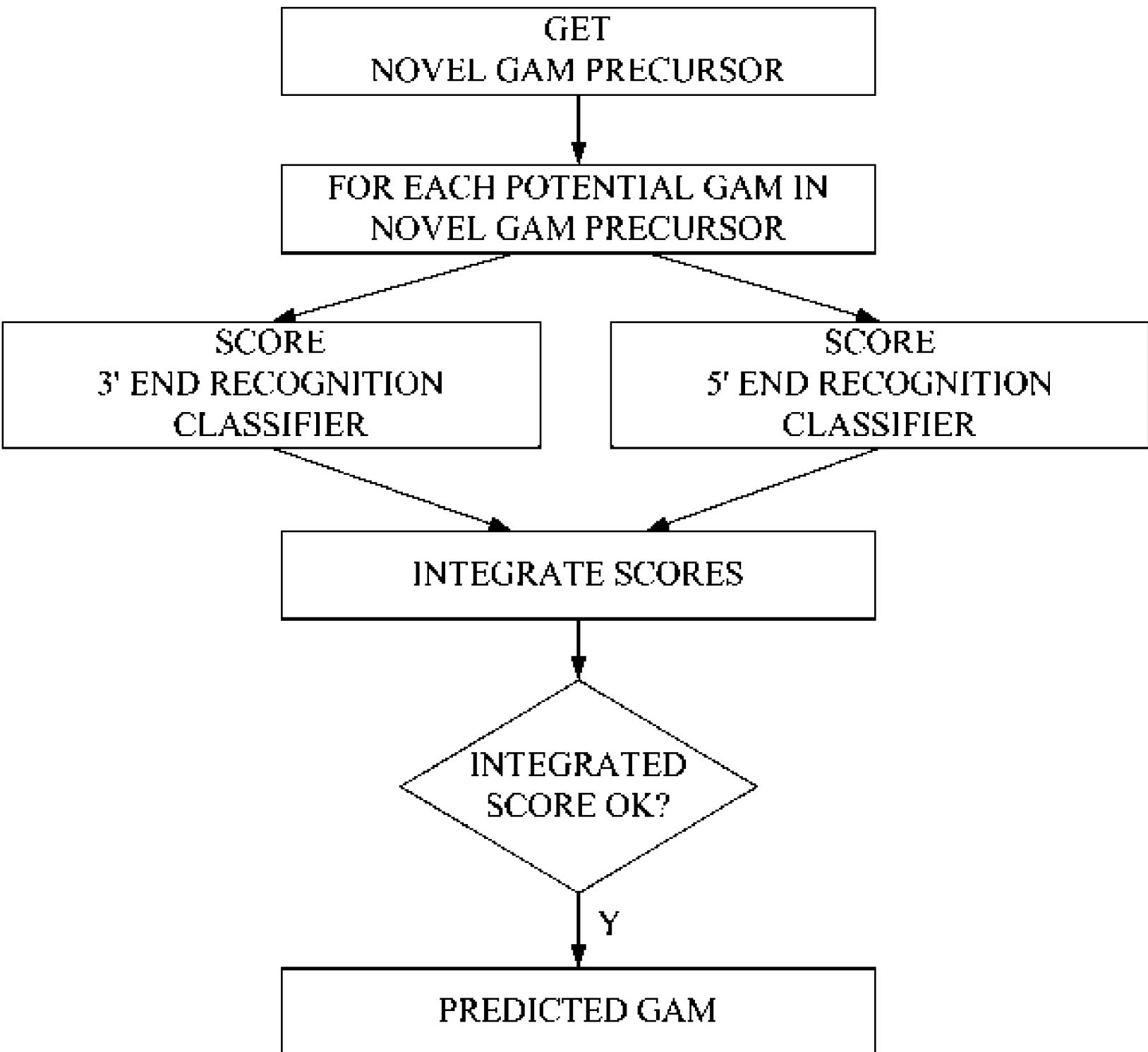


FIG. 14A

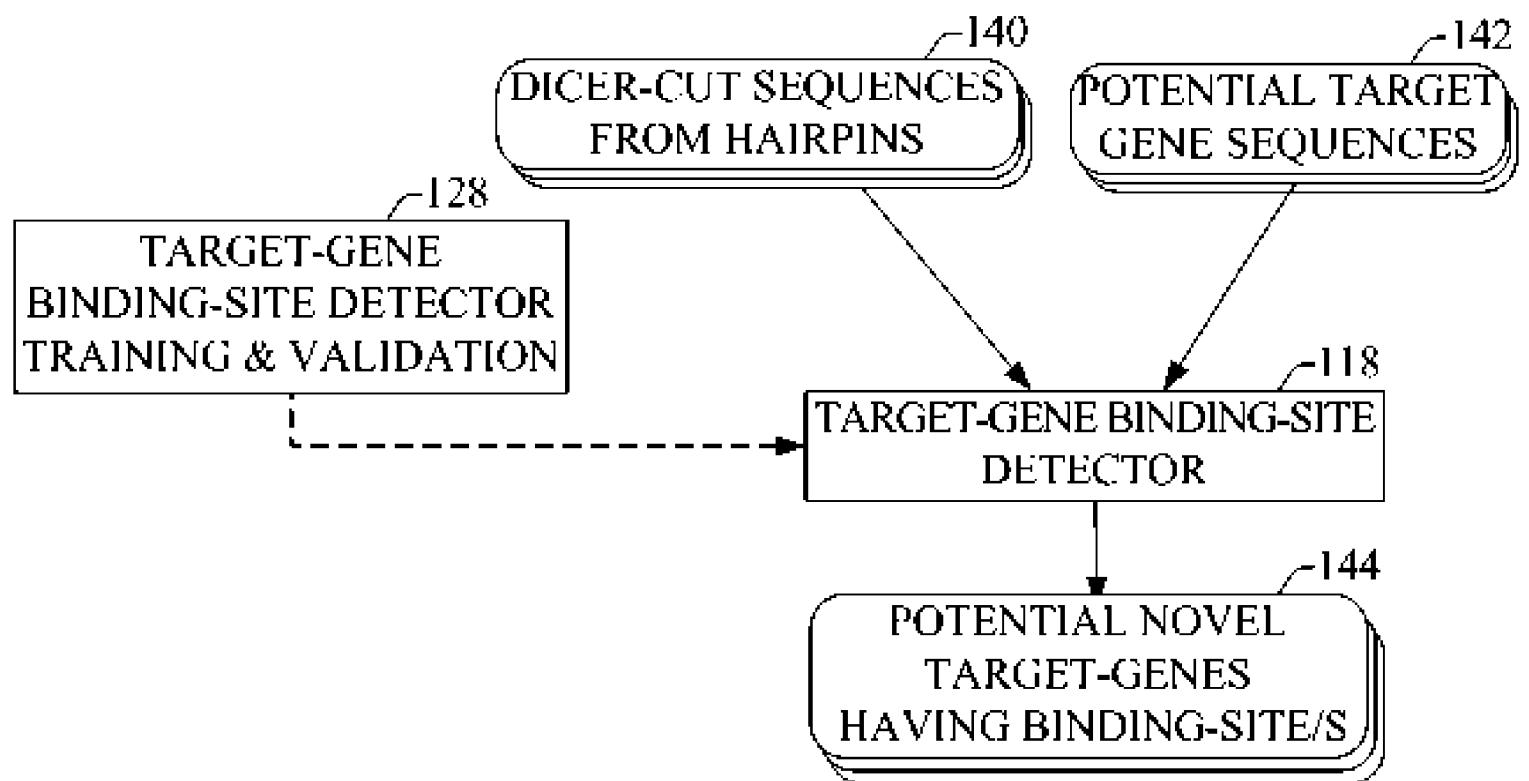


FIG. 14B

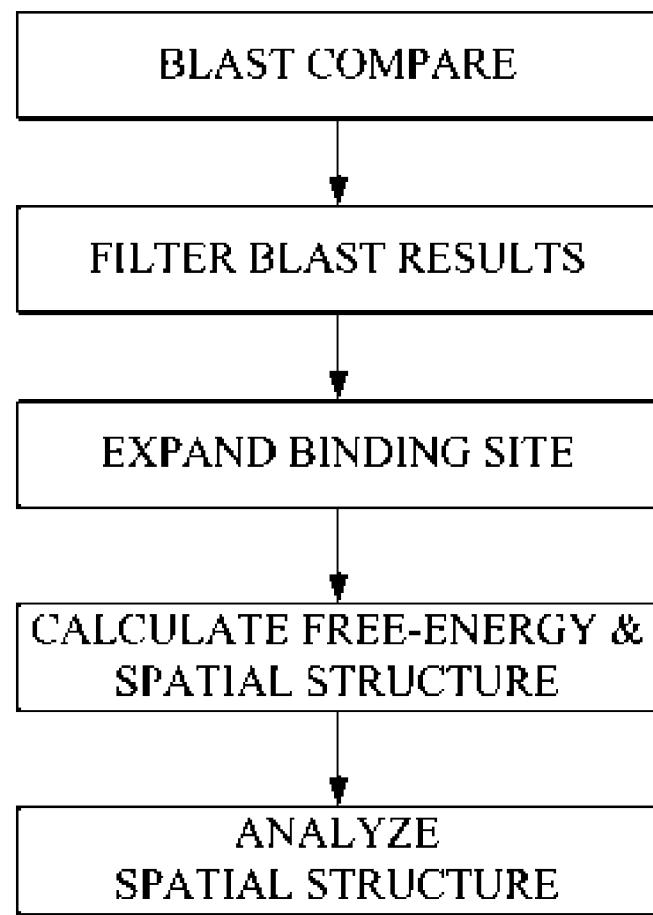


FIG. 15

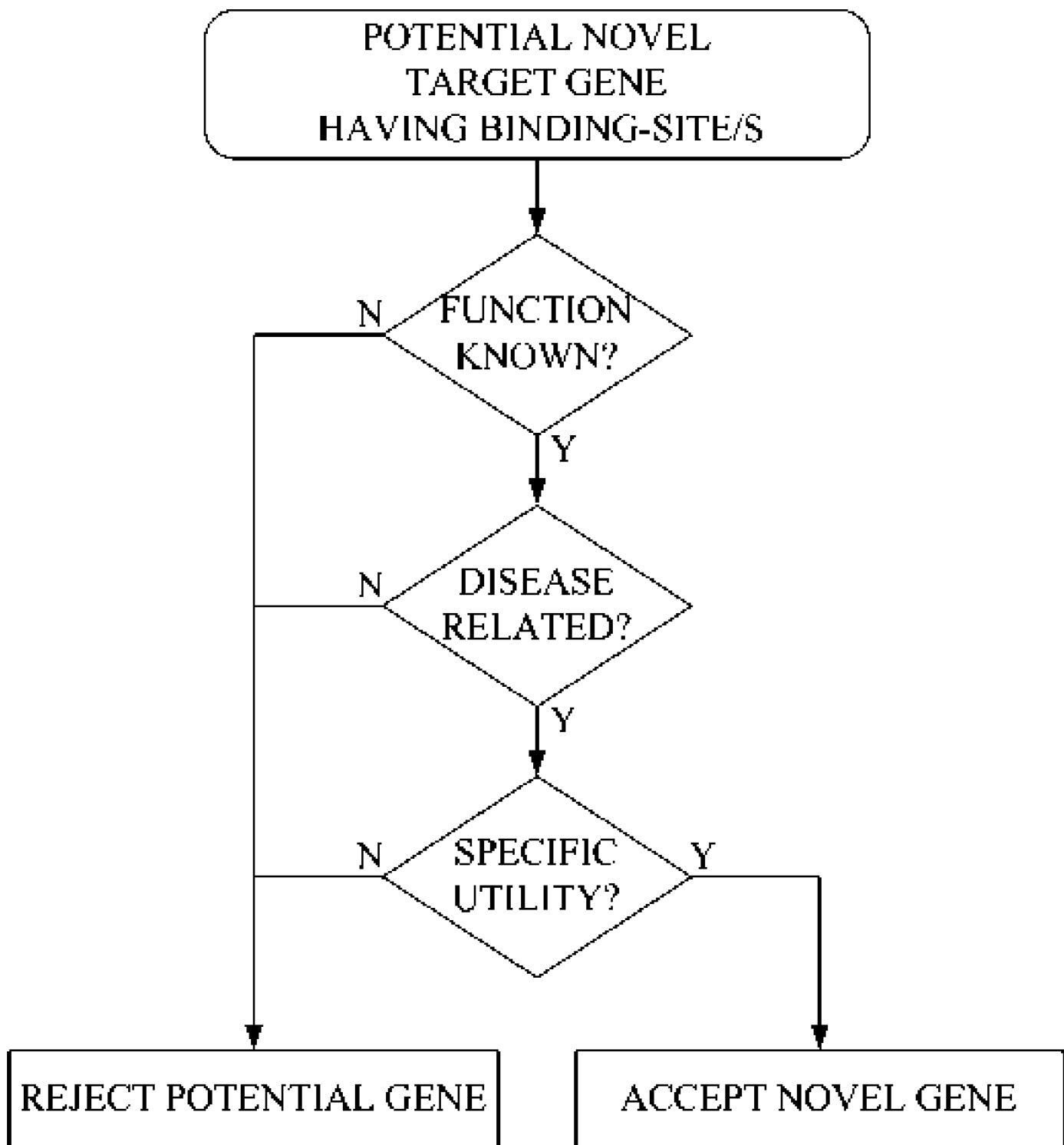


FIG. 16

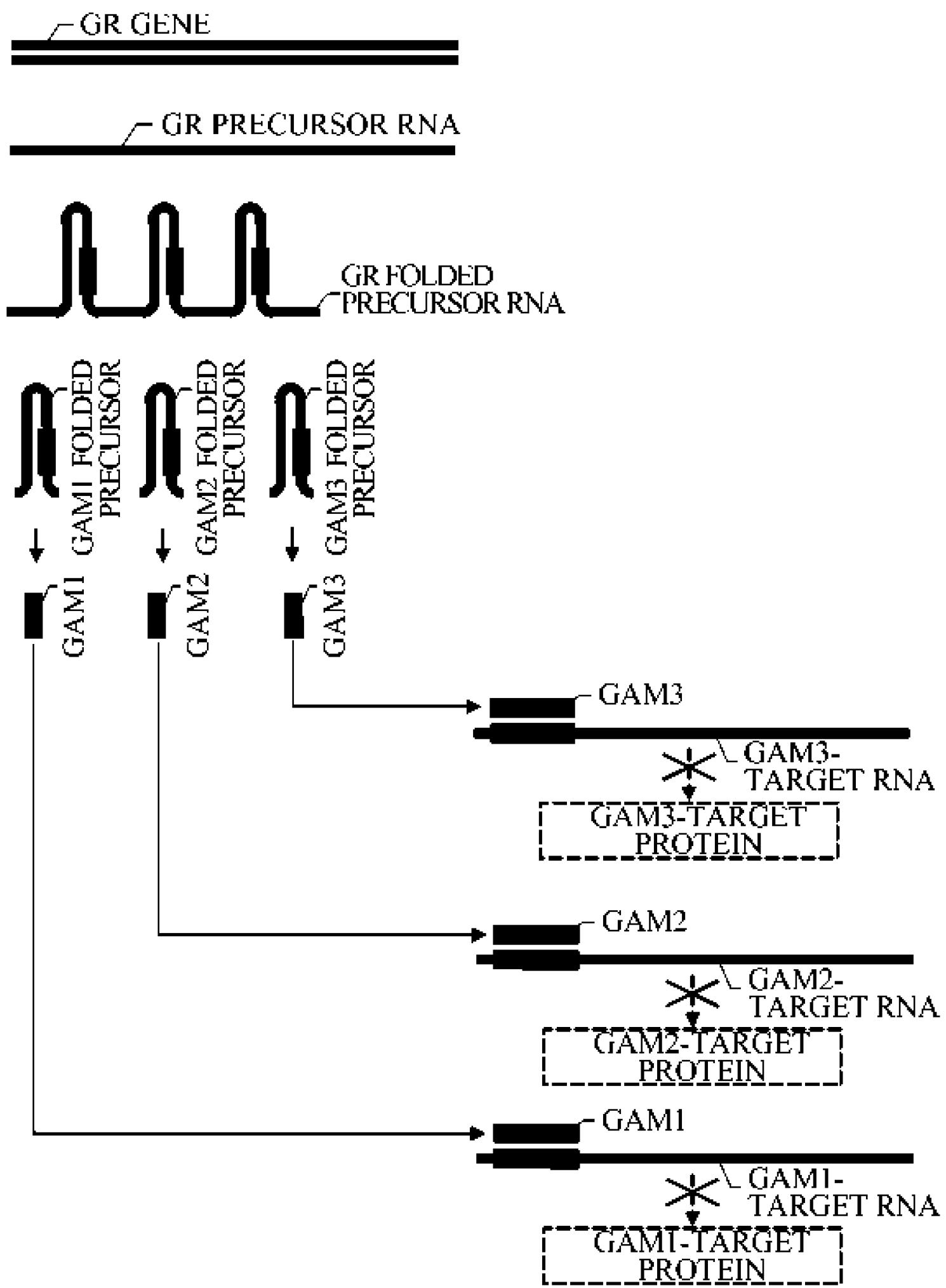


FIG. 17

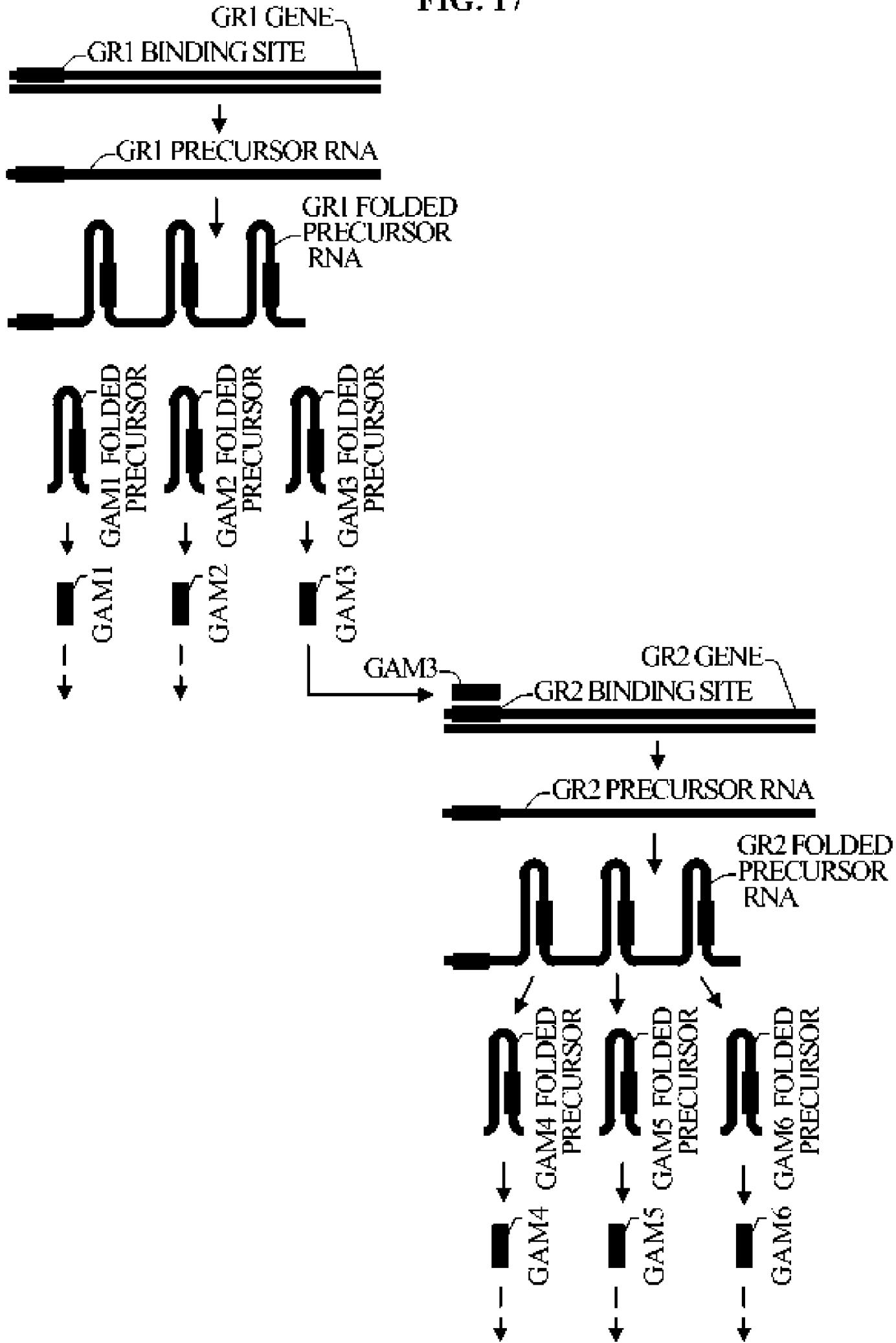


FIG. 18

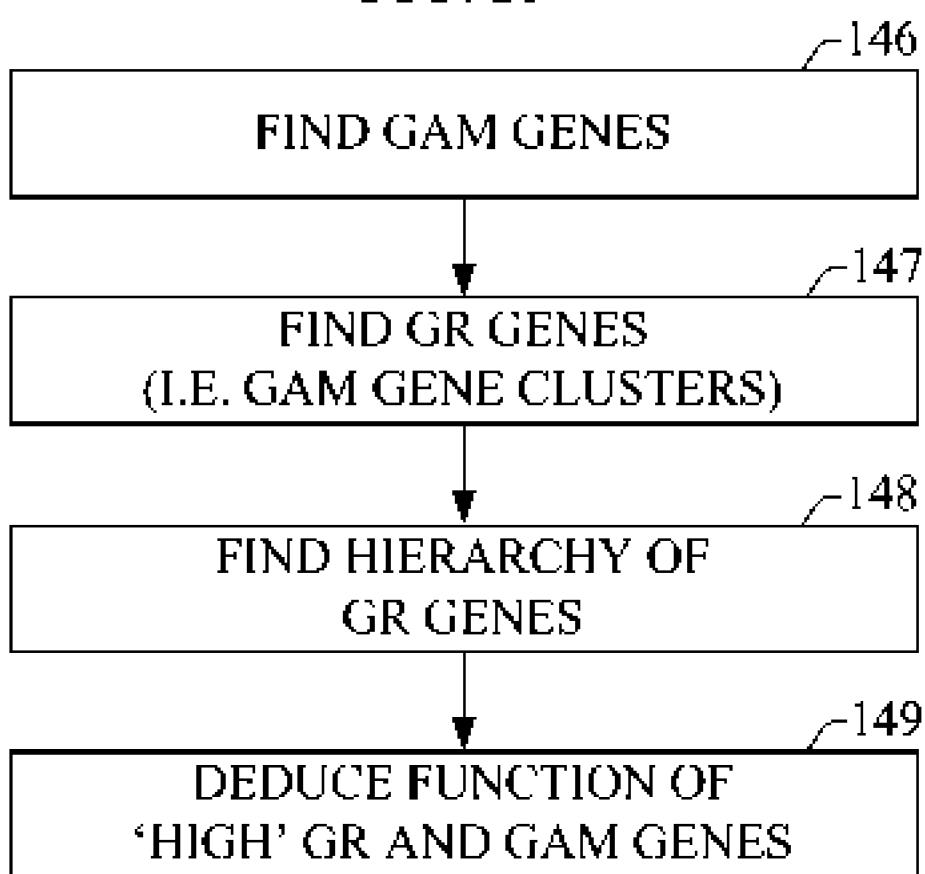


FIG. 19

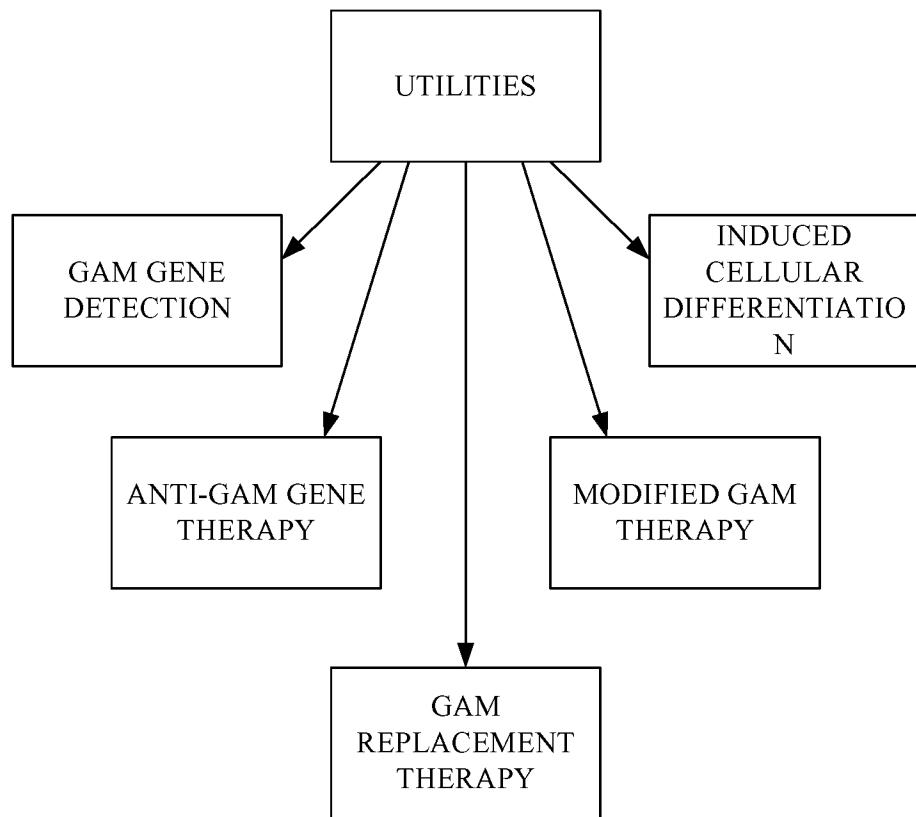


FIG. 20A

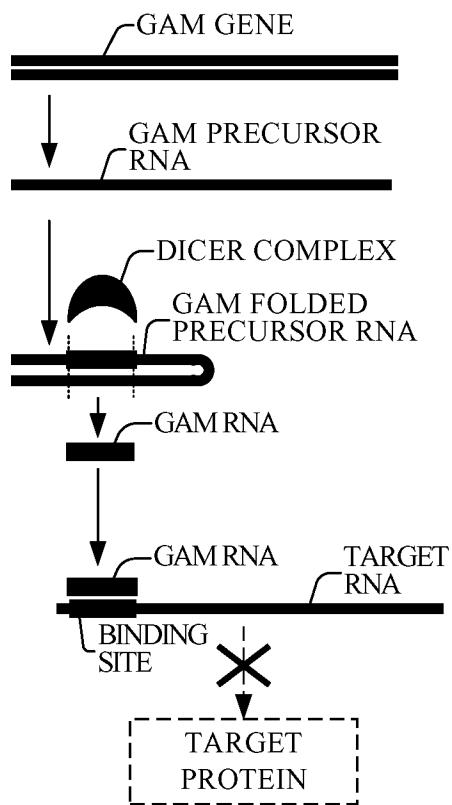
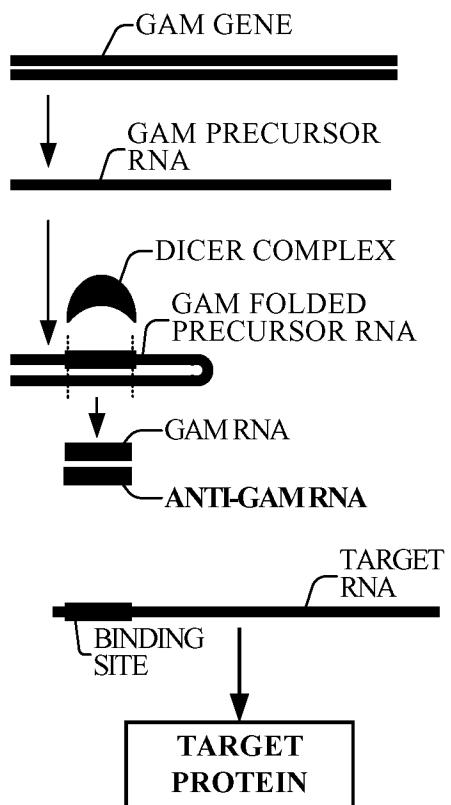


FIG. 20B



EST72223 sequence:

MIR98
 CCCTTATTAGAGGATTCTGCTCATGCCAGG **GTGAGGTAGTAAGTTGTATTG**
TTGTGGGGTAGGGATATTAGGCCCAATTAGAAGATAACTATACAAC **MIR98**
TACTACTTTCCCTGGTGTGGCATATTCACACTTAGTCTTAGCAGTGTTGCC
 TCCATCAGACAAAGTTGTAGATGTCCTGGATAATTGGACTGGAAGAAAAGA
 GACATGGAAGGGGACAGATGGTGTAGGGTGGCAGATGTCATTATAAAGT
 GACTTGTCTTCTTCAATTGGAGCATATAATTATTTACCTTGGGCATGAACTC
 ATTTGCTATTCTCAACTGTGTAATGATTGCACTTTATTAGTAATAGAACAGGA
 ATGTGTGCAAGGAAATGAAAGCATACTTTAAGAATTGGGCCAGGCGCGGT
 GGTCATGCCTGTAATCCCAGCATTGGGAGGCGAGGGGGTGGATCAC
 CTGAGGTCAAGGAGTTGAGACCAACCTGGCAACACGGCAAACCCCGCCTC
 TACTCAAATACAAAATTAGCCAGGCTTGGTGAACACTGCCCTGGTCCCAGC
 TACTCAGGAGGCT**GAGGCAGGAGAATTGCTGAACCCAGGAAGTGGAG**
GCTTCAGTGAGCTGAGAACACGCCACTGCACCTCCAGTCCTGGCAAC
AGAGCAAGACTCTGTCAGGAAAAAAAAG
GAM2
5

FIG. 21B

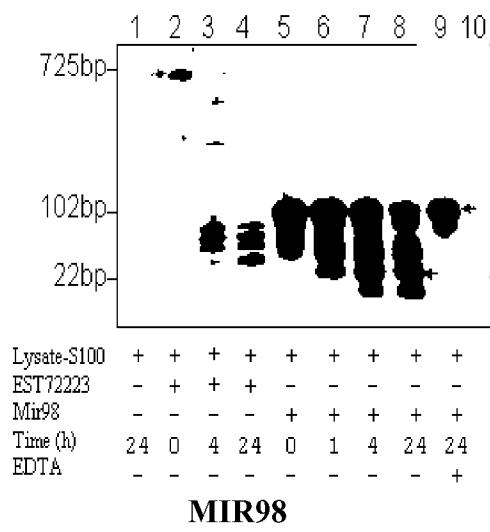


FIG. 21C

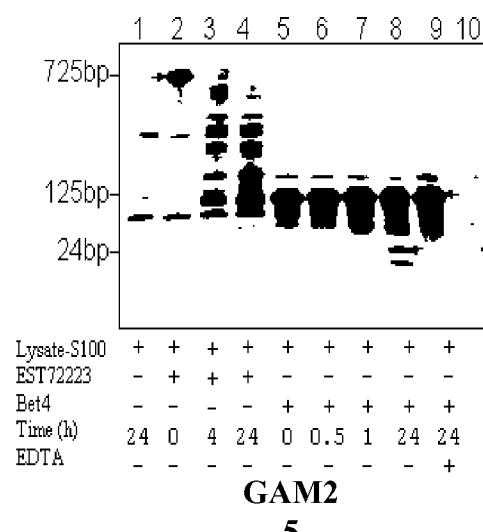


FIG. 21D

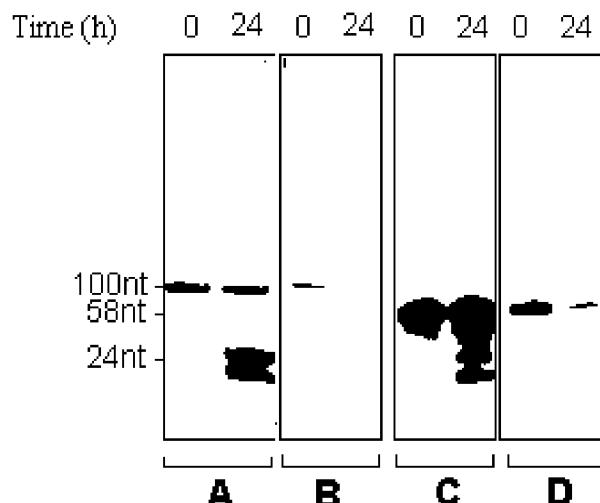
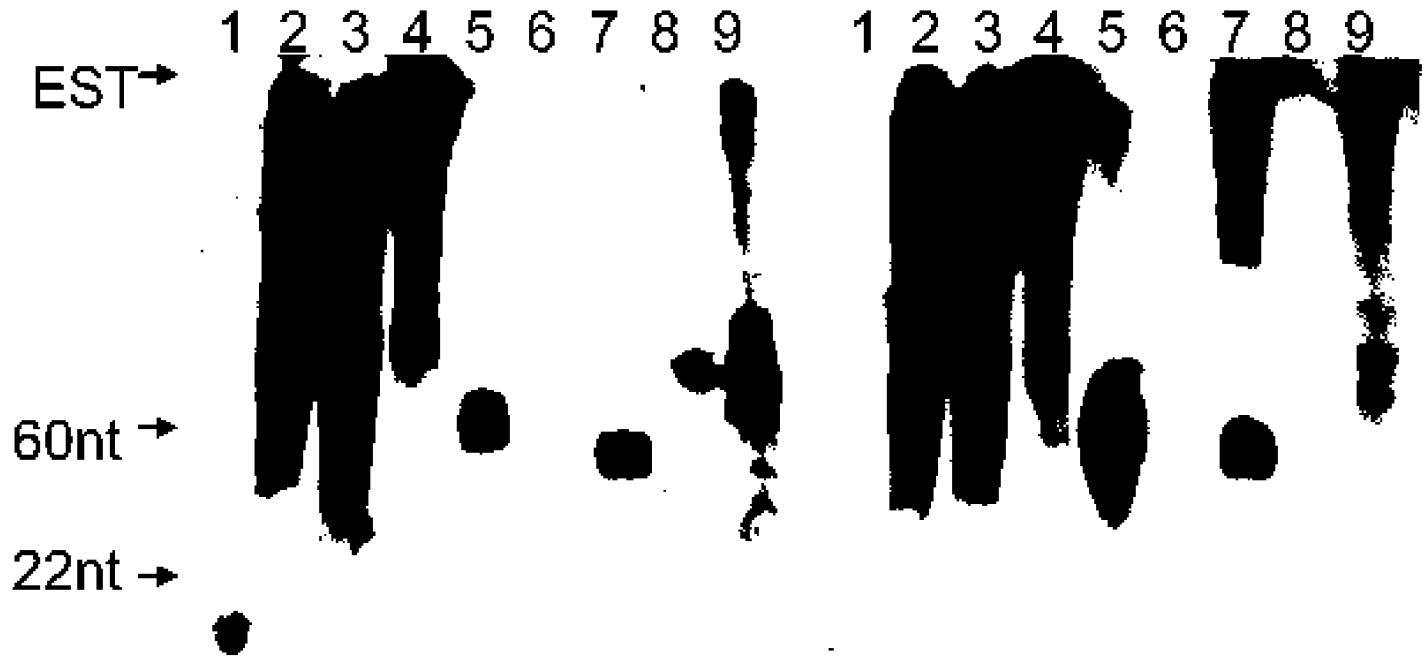


FIG. 22A

dbEST Id. 7929020 (Image4514344) sequence:

CCAAAAAACTCCAACCATTCCCTTTCAAAACTCCCACACACACACCCATGCCCTCTCTCAC
CGCTCCTATTCAACATACTCTTCCAAGTTCTGCCACGCCAATTAGCCAGGACAACCAA
ATAAAACGCTATTCAATTAGAAAACACCAACTCAAATCTTCCTCTTGCAGATCACAT
CATTGTATATCTACAAAACCCCATTCTCTCAGCCCCAATCTCCTTAACCTGATAACCA
ACTTCAGCAAAGTCTCACCATAAAAATAATCTACAAAATCACAAACCATTCTTACAC
ACCAACAAACACAAAAACAGACCCAAATCATCACTCAACTCCCATTACAATTCTTCAA
ACAGAAATAAAAATACCTACCAACTTACAAGCCATGTAAGGCACCTCTCAACGAG
AACTACAAACCCTCCTCAACGAAATAAAACACCATACAAACAAATCGAACAAACATTCC
ATCCTCATGGCTACCAAGAAATCAATATTCTGAAAATGCCATACTCCCCAAGCTAATT
ACAGATTCAATGCCATCCCCATCAAGCTACCAATCACTTCTTCACACAATTGCAAAAAA
ACTACTTAAAGTTCATATCCAACCAAAAAAGACGCCCATCCCCAAGCTCAATCCTAAG
CCAAAAGAACAAAGCTGGAGGCATCACACTACGTGACTTCAAACTTTACTACAAGGCTA GAM24
CACTAACCAAAACACCATTCTACTCCTACCAAAACACACATATACATCAATGCAACACA
ACACACCCCTCACAAATAACCCCCAATACCTACAACTATCTGATCTTCACAAACCTCA
CAAAAACAAGCAATCCGAAAGCATTCCCTATTAAATAATGCTCTGGAAAAGTCAC
TACCCATATGTACAAAGCTCAAACCTGGATCCCTCCTTACACCTTACACAAATCAAT
TCAACATCCATTAAACATTAAACCTTACACCTAAAACCATAAAAACCTACAAACAAAA
CCTAGCCATTACCATTCAACATACCCATGCCAAGCAGCTCATCTCCAAAACACCAA
AACCAATGCCAACAAAACACAAAATTGACAAATGCCATCTAATTAAACTAAAGACCTTC
TGCACAGCAAAACAAACTACCAT**CAGAGTGAACAGGCAACCTACAAATGGGAGAAAAT** GAM26
TTTCGCAACCTACTCATCTGACAAAGGGCTAATATCCAGAATCTACAAATGAACTCAAAC
AAATTACAAAAAA

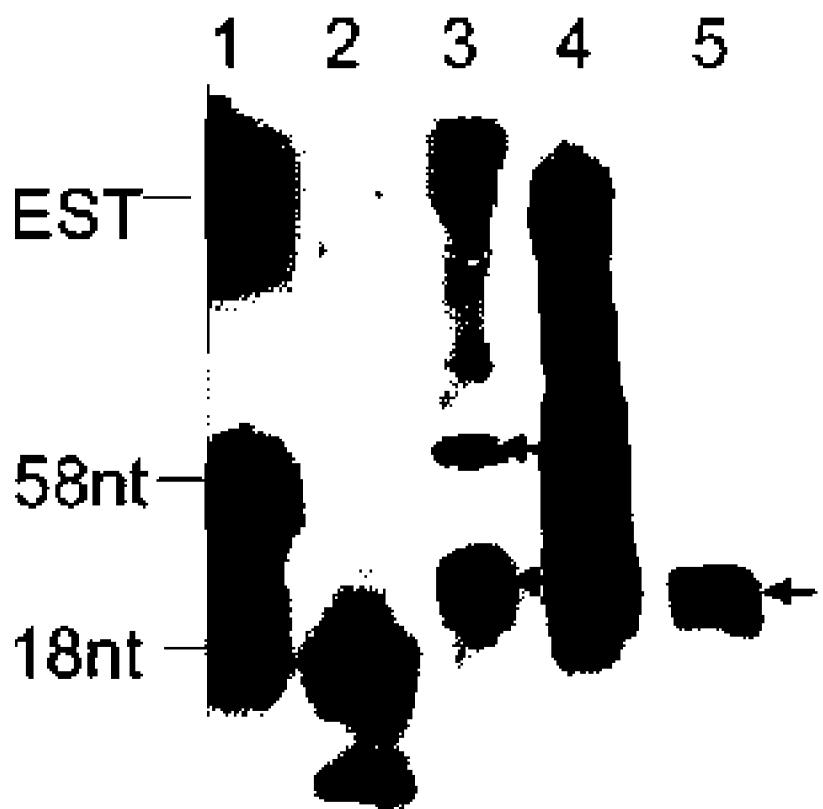
FIG. 22B



GAM26

GAM24

FIG. 22C



GAM26

FIG. 23A

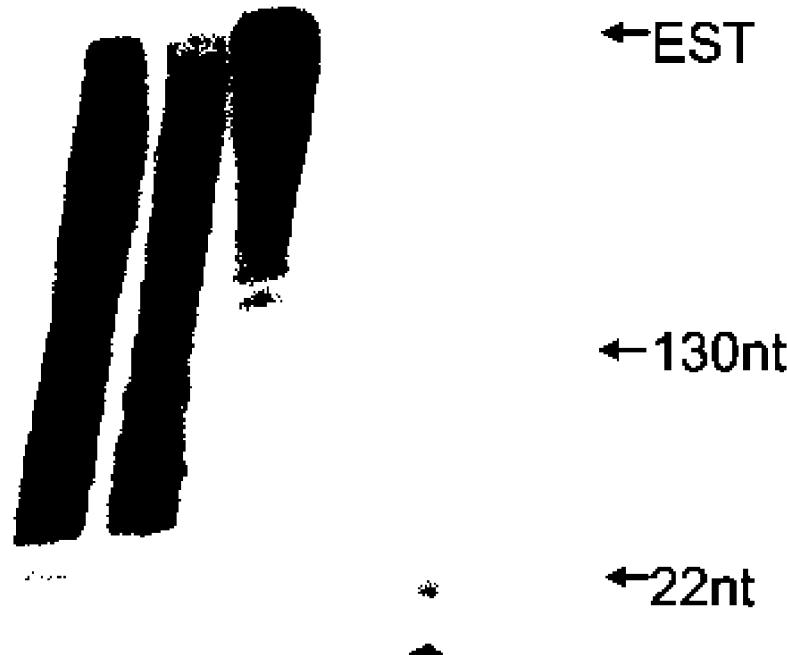
dbEST Id. 1388749 (Image1020185) Sequence:

ACTCCTATCAACAGTGTAAAAGCATTCTGTTCTCCATAATCTGCCAGCATCTTT
CATTTTTTGAAATTATAGCCATTCTGACTGTTGTGAGATGGTGTCTCATTGGGTTTT
GATTTGCATTTCTCAGATGATCAGTGAAGTTTTGTTGGCTGCATG
TATGCCCTCTTTGAAAAGTGTCTGTTGTCTTGCACACTTCATAATGGGGTTG
AGTTTTTTCTTGTAAATTGTTAACGTTCTGTAGATGCTGGATATTAGACCTT
TGTCAAGATGGATAGAGTGCAAAAATTCTCCCATTCTGTAGGTTGTCGGTTACTCT
GTTGATAGGTTCTTAATGCTGCAAGAGCTCTTAGTTAATTAGATCCCATTGTC
AATTTGGCTTGCAATTGCTTGGCATCTCGTCATGAAATCTTGCCTTG
CCTGTGTCTGAATGGCATTGCCTAGGTTCTTCCAGGATTATAGTTGGGTT
GTAGATTTAACGCTTTAATCCATCTGAGTTAACTTTGTATATGGGTTAAGGAAGGG
GCCCGTTCAATTGCTGCAAATGGCTAGCCAGTCTCCCAGCACCAATTATTAAATA
GGGAATCTTTCCCCATTGCTCCTTGTCAAGAGATCACATGGTTGTA
GGTGTGTGGCTTATTCTGGGTTCTATTCTGTTCCATTGGGCTATGGGCCGGTTC
TGTACCACCACTATGCTGTTGGTACCATAGTCTGTAGAATGTTGAAGCTGGGT
AGCATTGATGCCTCTAGCTTGTCTTGCTAAGAAATGTCTGGCTATTGGGCTC
TTTTGGTCCATATGAATTAAAATAGCTTTCTAGGTCTGTAAGAATGTGAA
TAGTAGTTAATGGCCTAGCATTAAATTACAGATTGCCCTGGCAGTGTGGTCATT
TTCACGATATTGATCCCTGTGAGCATATGTTTTCATTTGTTGTGT
CATCTGATTCTTGAATAATGGTTATAGTTACCTTGAAAAGGTCCCTCAC
TTTCT
TGTTAGCTGTATTCTAGATATTATACTCTTCTGTGGCAATTGTGAATGGAGTTAA
TTCATGAGTTTCTCGGCTTGCGTGTGTTGGTGTAGGAATGCTAGTGA
CTTTGCACATTGATTGTATCCTGAGACTTGTGAAGTTGCTATCAGCTAAGAAGTTT
TGAGCTGAGATGATGGAGTTCTAGATATAAGGATCATATCAGCTGCAAACAAAGATA
GTTTGACTTCCTGTCTCCTATTGAATAGCTTTCTTCTCTTGCCGATTGC
CTTGGTGAGAATTCTAATACTGTGTTGAATAGGAGTGGTGAGCTCGCCAA

GAM 27

FIG. 23B

1 2 3 4 5 6 7



GAM27